Mastering the Dread Typhoid

By William Atherton Du Puy

last eighteen months 12,000 sele Sam's army have been for typhoid fever. Of these three men have since been al these but slightly. There en a fatality from the dise whole number. In every of the army containing 12, here have been seventy two shold in the same time and

ohold in the same time and in the 50,000 unvaceinat-te been 300 cases and thirty be. In the observed we been 200 cases and thirty we been 200 cases and thirty has the medical corps of the 1 up statisties which prove doubt that the disease that is 1th 15, that scourge of the stricts that worst of enemies war, may be med, muzzled is subjugated. So is the methoding typhoid being demonsion anaguificent scale. So is item that the whole country me day vaccinated, and as a me tenth of the present moral be annually recorded.

If of Sentember is the worst of typhoid. Just now there is many cases of it in all the any other scason. This is symmer vaccationists have from the country, have brought dis— with them and have no others. It is ever so in the

nothers It is ever so in the err bruth department knows disease comes. It is, theretoward its cradication

made now.

tended now.

tended is for the first time is
the authority of the medical
the army that if every indithe nation would capture, kill,
inject into his arm five milmid barill, there would next
but one case of the disease
or are now ten. It is further
tall those who do not regard
as could capture, killers. as good cantors, killers, as good cantors, killers, and micetors of bacilli may get was preserved from the gov-they go about it in the right

m's army medical corps has demonstrating. Major F. et. It is but proper that the it prov should work out the t this problem for when a aree goes into the field the greater toll than all the bul-

deaths were due to typhoid deal army during the Civil were 80,000 cases. In the psian war the German forces men from t-hold or 60 per per total loss. In the Boer

frightful mortalities have t portion of the medical has to do with its armies eampaign for the preven losses has been made. The at of that campaign has ation of one-sixth of our boys thin that short peroid em-tain that short peroid emof that campaign has been he last eighteen months. In least similar span the balance my will have been immunized. est of the stumbling blocks

nating for Typhoid.

made a vaccine and tried it on two duty, was attached. He lectured to the men. He was carried away with the results. The men became immune.

The English and the Germans began the long march toward developing the right serum and its right application to check on results was gotten by Colonel Leishman of the British army. Leish to the long march toward of the British army. Leish to the long march toward to the long march toward to the long march toward developing the right serum and its right application to the individual. The most satisfactory check on results was gotten by Colonel Leishman of the British army. Leish to the long to the long march toward to the long march toward developing the right serum and its right application to the individual. The most satisfactory check on results was gotten by Colonel Leishman of the British army. Leish to the long to the multitude of the section of the disease, 36.

Non-inoculated, 6610. Cases of typhoid the death rate has been reduced 90 per cent. Yet the process was yet young and the Yankees had not begun work.

The people who go habitually into the south to the torpics, into the rural districts for business, should soon resort the effects of the vaccination busing the troops on the prevention of the disease, 36.

Non-inoculated cases, 36.

Non-inoculate

od of prophylaxis. It seems to show hat beyond a doubt the death rate has been reduced 90 per cent. Yet the property of the Yankees and not begun work.

Capturing the Germs.

The secret of the vaccination business, should soon resort the effects of others without first washing the content of the vaccination business, should soon resort the content with the content of the property of the property

Typhoid Is Contagious.

the effects of others without first washing their hands. The unwashed hands of housemaids and housekeepers result in death of thousands of people every "Typhoid Marys." There is the ease of "Tenhoid Mary" New York. She was a cook in mary obscholds. Wherever she went typhoid households. households. Wherever she went typhoid followed in her wake. She had suffered from the disease many years ago and the germs nersisted in her system. They got into the food of the families in which she worked, for it is suspected that Mary was not over-zealous as te cleanliness. In the end she was tested for the germs, found to possess them, and isolated. and isolated, and isolated.

There are thousands of "Typhoid Marys" running about the country.

Some member of your household a neighbor, a servent, may be a carrier of the disease. It is because of these that the complaint crops out year after year in many claces. But for this it could be put to coul. The army sur-geons have amplied the test to thousands of individuals selected at random and

in two or three per cent the menace has If the "Tynheid Marys" were careful as to cleanliness, they would no longer be a menace. But they are not careful and therefore the body politic must protect itself against them. The must protect itself against them. The army medical school is demonstrating that this may be done through vaccina-

that this may be done through vaccination.

Then there is the brand new phase of the work. These men of the army have recently attacked the disease itself through vaccinations. When an individual is found to have tynhoid he is immediately vaccinated. This vaccination develops more rapidly than does the disease. Its object and effect is the development of an antitoxin, an element in the blood that will make the disease ineffective. The idea is new and the men of science who are handling it refuse to make any statement. to vaccination and probably will. There is the great roral population which is habitually the source of infections and arousing these to the needs of the new treatment is the greatest of tasks. Typhoid is contagious.

Typhoid is a contagious disease and transmits itself from one person to another. This, however, must be through an actual contact, usually through a person whose hands have come in contact with the germs handling the food of other persons. When there is in the family or the neighborhood a person suffering from typhoid the germs that

RUSSELL

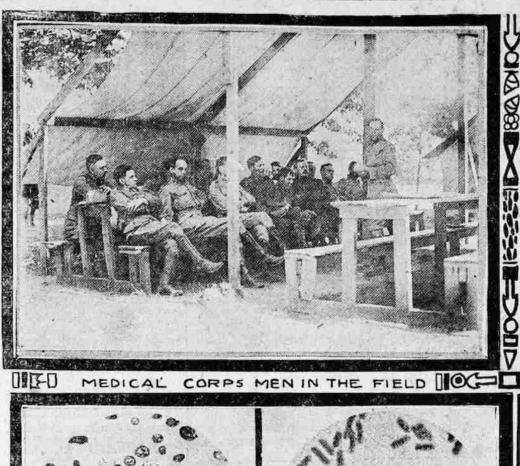
RUSSELL

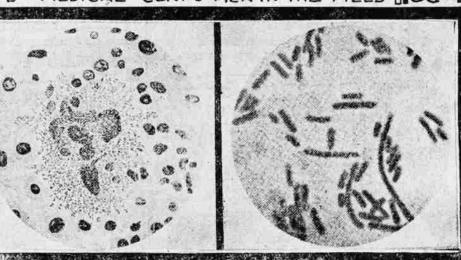
Ness lies in capturing the germs of the disease, killing them to prevent over activity and then placing them in the blood. This arouses the system of the individual and it produces an anti-toxin for the disease in question—that is, it produces something to fight that disease. When one has smallpox or typhoid or any such disease, it ravages the system until that system developed the disease is method. They cannot contact it. When these elements are developed the disease is method and as and to the system and is able to make no further head way. The patient is the disease is the family of the prevent over and is able to make no further head way. The patient is the disease is must a fire alarm to the system and starts it to developing the family of the neighborhood a person that the blood of that person give off may enter the water supply, the milk of the neighborhood, the food of the family. The hands that nurse the patient, for the water supply, the milk of the neighborhood, the food of the family. The hands that nurse the patient, for instance, may wash the dishes. In this way the disease is transmitted.

In most contagious diseases a similar principle exists. The rational system in typhoid as in the others is in the family and then placing the water the water supplied and its principle exists. The rational system in typhoid as in the others is in the family and then placing the water the water supplied and its principle exists. The rational system in typhoid as in the others is in the family and then proved the water that the blood of the family.

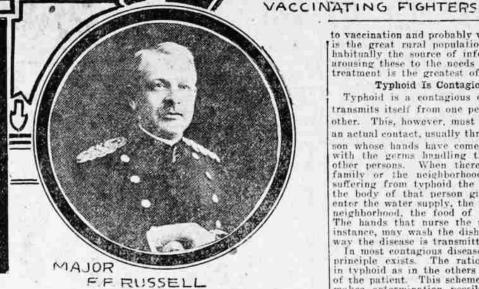
The bands that nurse the patient, the water the patient, the force that it has under the old may be the army are getting to the poutations on the benefit of vaccination. They believe that the system they are willing to stake their requisions on the benefit of vaccination. They believe that the system should be fought. The disfact that this is learned to the remainder of the army are getting to the patient. They believe that the system should be foug

as a result a member of our family, an all the world may come under its bene intimate friend, comes down with the ficent effects.





TYPHOID GERMS



man vaccinated 5473 men of the British army. These men all belonged to sixteen regiments which had been selected disease in India in the nine- for a carefully controlled investigation om ineculations for the pre-cholera to the application of ments was in turn ordered to service in principles to typhoid. Sir India, a medical officer, who had been twight of the British forces especially trained for this particular

opportunity offers. From his knowledge of tw-hold fever and clinical laboratory methods he is enabled to make an accurate diagnosis in all suspicious cases. By means of these precautions Colonel Leishman is able to furnish statistics which are thoroughly accurate and reliable. The results were as follows:

Inoculated, 5473. Cases of typhoid

Abdul Hamid an Unhappy Man

cination is but a fire alarm to the sys-tem and starts it to developing the needed anti-toxin in advance. developing the falls exhausted and slumbers fitfully on

hours of growth. In this time hordes of bacteria have developed. These are sealed up in test tubes and placed in hot water for seventy-five minutes. This kills the bucteria and it is ready to enter the vaccine.

But these germs must be counted and this process is ingenious. A given quantity of the mixture containing the germs is placed with a similar quantity of human blood. The mixture is shaken of human blood. The mixture is sbaken up. Then it is spread thin on a glass and put under a newerful microscope. Any given area of the glass is counted for blood corpuscles and at the same time for dead bacteria. Science knows how many corpuscles there are in a drop of blood. If the bacteria are as thick as the corpuscles then there would be half as many and so on. So the number of bacteria may be compared with blood. Blood is the vard stick by which the extent of infection is measured.

Millions for a Dose.

When the number of bacteria in a drop are known, that drop may be diluted and divided indefinitely. For a vaccination dese five million dead germa are needed. The men of science have counted so accurately that the doses they fix up will not miss this exact number of the counter of the count ber very far.

ber very far.

This vaccination is not to be compared in severity with that for small-pex. The patient has entirely recovered within a day. There is some inflammation at the point of inoculation and this is fully developed within twelve hours. For a day the patient feels like he was going to have the grip or a cold, or some of those milder attacks. He may have a slight chill, headache or suffer slight nausea. This usually lasts but two or three hours and all symptoms disappear within a day. There are never any serious effects of the vaccination. The medical profession of the world has observed in all some 80,000 vaccinations. In no one of these has there been any injury or fatality. There is nothing whatever to fear in the process.

Special Cable to The Tribune.

TANGIER. Sept. 17.—A new governor of the Tangler district has been appointed. He is the seventeen-year-old son of El Mokrl, the Moorish foreign minister. He entered on his dutien with military honors and artillery salutes. The governor is a pleasant-mannered boy, and the inhabitants were delighted with the way in which he returned their welcome.

Salt Lake City, Utah, says:

"For years I suffered from dropsy and though I dectored and tried every remoth the army post. The sanitation of these is excellent and typhoid is infrequent. But when the army goes into encampment in time of peace or into action in time of war, the typhoid demon immediately gets busy. Typhoid is a country disease. If lurks perpetuors and artillery salutes. The governor is a pleasant-mannered boy, and the inhabitants were delighted with the way in which he returned their welcome.

A Reliable Medicine—Not a Narcotic.

Mrs. F. Marti, St. Joe. Mich., says Foley's Honey and Tar saved her little boy's life. She writes: "Our little boy contracted a severe bronchial trouble, and as the doctor's medicine trouble, and as the doctor's medicine did not get relief. My limbs were badly swollen and there were puffy spots beneath my eyes. At last Doan's Kidney Pills were recommended to me and I commenced their use, procuring a supply at the Schramm-Johnson Co.'s Drug Store. After I had taken the contents of three boxes the swelling in my limbs time the same procuring as a pleasant-mannered boy, and the inhabitants were delighted with the way in which he returned their welcome.

A Reliable Medicine—Not a Narcotic.

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The first necessity from a govern-mental standpoint is the protection of the army from this danger. That protection is rapidly being brought about The next step that suggests itself is the protection of the vacationist from the one great dancer that he faces. The people from the cities who go into the country in the summer are generally of the educated class and the class that is intelligently seeking health benefit.

SON'S SUFFERING

With Sores All Over Head, on Neck and Face. Cries Kept Parents Awake Through Long Nights. Hands in Gloves to Prevent Scratching. Used Cuticura Remedies. Cared in Less than Three Weeks.

As a grateful mother, I feel it my duty to thank you for e core of my little son who was afflicted for about eight hs with sores all over his head, back of his neck and arty all his face. We tried all kinds of remedies without relief. We even employed a good physician and I am e he tried his very best to cure my poor suffering little boy. alast instead of getting better he went for the worse. is bead was literally covered with scabs and ugly sores and cries kept as awake throughout the long night. I had to his hands in gloves to prevent his scratching his head, be was doubtless suffering from a burning and itching on and was constantly trying to put his hands where

At lest when he was about three years old, we saw an rtisement of Cuticura and I decided to try the virtues of Cuticura Remedies. I bought one cake of Cuticura Soap, ox of Cuticura Ointment and a bottle of Cuticura Resolv-I used them according to directions and I am happy tell you the little sufferer was cured in less than three cks. This was over a year ago and now his head is coved with a fine growth of luxuriant hair. Strange to say, all se unsightly sores did not even leave a scar. (Signed) Mrs. G. O. COUVILLON,

eb. 26, 1910. Plaucheville, La.

old throughout the world. Potter Drug & Chem. Corp., Sole 1998, 131 Columbus Ave., Boston. Mailed free, latest 32-page uteurs Book, on the treatment of skin troubles.

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W. S. HENDERSON Wholesale Grocer

Corner Second South and Third West Sts. Salt Lake City, Utah.

compt Shipments to All Parts of the Country. Grade Groceries. Mail Orders Solicited.

Special Cable to The Tribune.

ST. PIETERSBURG, Sept. 17.—The unhapplest man on earth is Abdul Hamid, the deposed sultan of Turkey. The former despot of Turkey is shivering with foar for his life. He is in hourly dread of assassination by his enemies. Since he was sent into exile, nearly eighteen months ago, he has never shown himself at any of the windows of the villa. He would be shot by one of his foes if he were seen.

I alls exhausted and slumbers fitfolly on a couch lie works as a carpenter during the heads, and recently he finished making a large wardrobe. Strangely enough, his one desire is to find a purchaser for it. It is not that he needs of typhoid germs which they can plant have money but he longs to convenie himself that the work of his hands is of monetary value. He begs his warders for leave to send the wardrobe away from the villa to be sold, but his request its refused invariable. The government experts have cultures of typhoid germs which they can plant have making a large wardrobe. Strangely the needed antitoxin in advance.

The government experts have cultures of typhoid germs which they can plant have money but he longs to convenie himself that the work of his hands is of monetary value. He begs his warders for leave to send the wardrobe away for leave to send the wardrobe away for leave to send the wardrobe away for leave to send the wardrobe and purchase for leave to send the wardrobe and purchase for leave to send the wardrobe and purchase for leave to send the work of his hands is of monetary value. He begs his warders for leave to send the wardrobe away for leave to send the wardrobe and purchase for leave to send the money but he longs to convenie them and starts it to developing the needed antitoxin in advance.

The government experts have cultures of typhoid germs which they can plant have down and raises a crop in twenty hours and raises are represented to the meaded antitoxin in advance.

The government experts have cultures of typhoid germs which the needed antitoxin in advance.

BY GEORGE FRASER.

dare not for he is convinced that he would be shot by one of his foes if he were seen.

Neither advice nor entreaties, nor even stringent medical orders will induce him to leave the house and take exercise in the garden. Not only does he remain stubbornly indoors, but nothing will make him leave the first floor of the villa. He fears to trust himself to the ground floor lest bombs be concealed in the cellars beneath. He will not go up to the second floor for he thinks the villa might be set on fire and he would perish before he could escape.

A veltim to insomnia, he never undresses, but his thin, bowed figure is seen wandering during the night from room to room until finally Abdul Hamid.

AMERICAN WOMAN MAKES REMARKABLE ALPINE CLIMB

Special Cable to The Tribune INNSBRUCK, Sept. 17.-Miss Marie Stell, a wealthy Philadelphia lady, has late Matthew Honan, who gave \$225,900 Stell, a wealthy Philadelphia lady, has just accomplished what is regarded by Alphinists as one of the most difficult climbing exploits ever attempted. Accompanied by a guide named Plaz, Miss. Stell made a night escent of the Winklerturm (3185 feet) in South Tyrol, and after reaching the summit passed the rest of the night in scaling two neighboring peaks. The climbers arrived at the top of the Winklerturm, which is reached by a succession of rocky minarets at sharp angles, at 1 o'clock. Their lamp was soon visible to the watchers below.

It is said that the guide received \$5000 as payment for making the ascent.

Dumb Are Not Helpless.

Special Cable to The Tribune Special Cable to The Tribune.

DUBLIN, Sept. 17.—A dumb man seated in a dress circle of the Theater Royal created a sensation by getting up and gesticulating. Then he sat down and enjoyed the show After a while he scribbled on a card, "I cannot speak a word; please remove your hat," and gave it to a woman seated in the row before him The young woman who was wearing the enormous hat complied with his request.

Boy for Governor. Special Cable to The Tribune.

did not cure Lim, I gave him Foley's every way. Although I am not yet Honey and Tar, in which I have great cured, I willingly recommend Doan's faith. It cured the cough as well as Kidney Pills in return for the benefit the choking and gagging spells, and he they have already brought me." got well in a short time. Foley's Honey and Tar has many times saved cents. Foster-Milburn Co., Buffalo, New us much trouble, and we are never York, sole agents for the United States without it in the house." Schramm-Johnson Drugs, five stores.

For Free Scholarships.

DUBLIN, Sept. 17 .- Miss Belle Honan, one of the richest women in Ireland, has given \$50,000 to the Cork university for free scholarships. She is a sister of the

Every Household in Salt Lake City

Pills do this. Salt Lake City.

For sale by all dealers. Price 50 Remember the name-Doan's-and take no other,

Millions for a Dose.

